WATER-RESOURCES INVESTIGATIONS REPORT 00-4212 Geologic map PLATE 1 OF 3

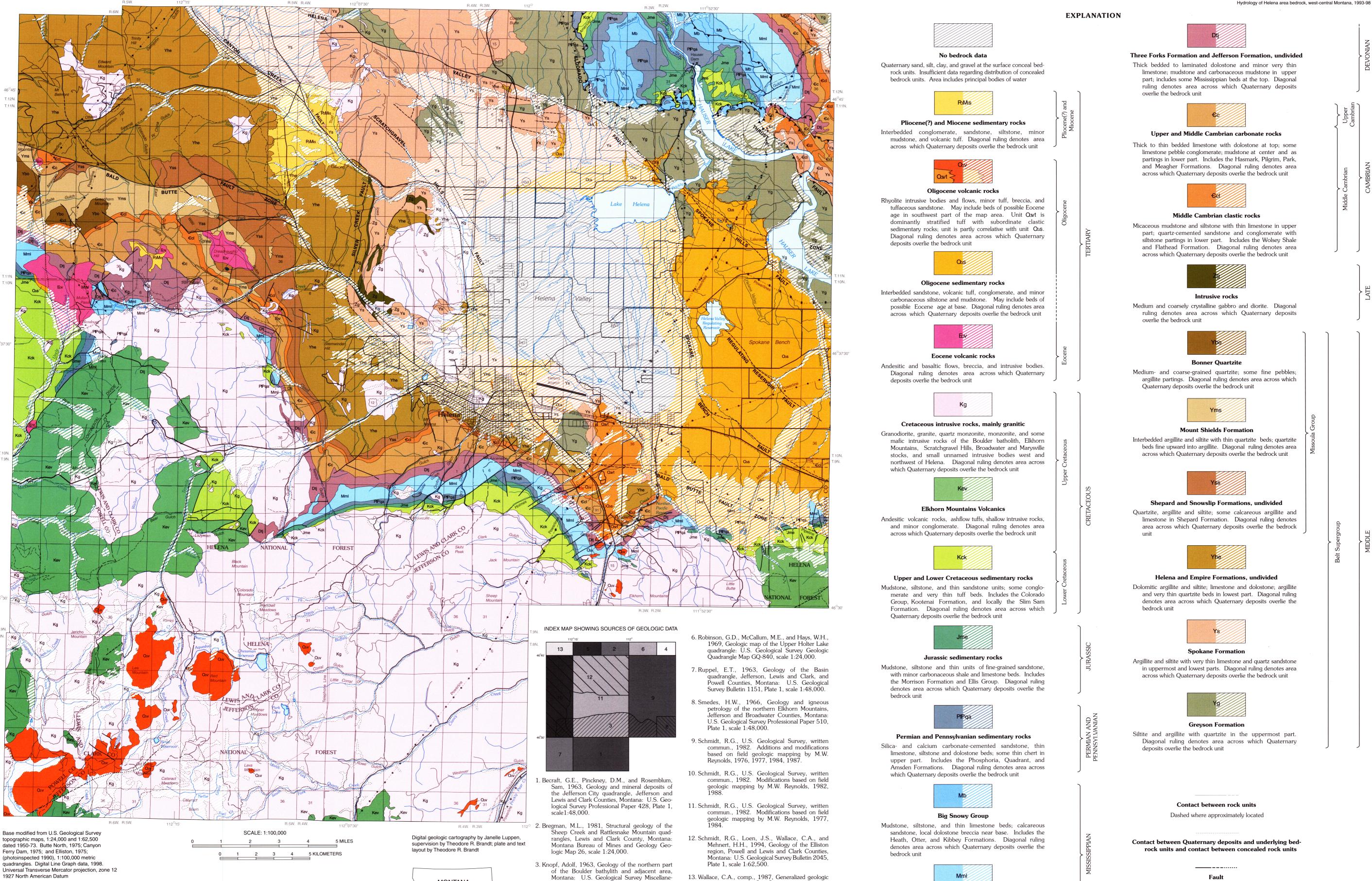
Long-dashed where approximately located; short-dashed where concealed

 $\textcolor{red}{\blacktriangledown} \textcolor{blue}{\blacktriangledown} \cdots$

Thrust Fault

Dotted where concealed; sawteeth on upper plate

Thamke, J.N., 2000



GENERALIZED BEDROCK GEOLOGIC MAP OF THE HELENA AREA, WEST-CENTRAL MONTANA

examination.

map of the Butte 1° x 2° quadrangle, Montana:

U.S. Geological Survey Miscellaneous Field

Madison Group

Thick bedded limestone; thin bedded limestone with some

calcareous siltstone in lower part. Includes the Mission

Canyon Limestone and Lodgepole Limestone. Diagonal

ruling denotes area across which Quaternary deposits overlie

Studies Map MF-1925, scale 1:250,000.

Subsurface bedrock geologic map of the north,

west, and south margins of Helena Valley by

M.W. Reynolds, 1998, 1999, scale 1:24,000,

based on well-drilling records and sample

Montana: U.S. Geological Survey Miscellane-

commun., 1971. Modifications based on field

geologic mapping by M.W. Reynolds, 1982,

ous Investigations Map I-381, scale 1:48,000.

4. Reynolds, M.W., and Hays, W.H., U.S. Geological Survey, written commun., 1997.

5. Robinson, G.D., U.S. Geological Survey, written

1985, and 1988.

MONTANA

Study area